

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/01151

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F01N3/02						
According to	According to International Patent Classification (IPC) or to both national classification and IPC					
	S SEARCHED					
Minimum do Int.	Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ F01N3/02, B01J35/04, B01D46/00					
Jitsu Kokai	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap		Relevant to claim No.			
X Y	JP 2001-989636 A (Ibiden Co. 10 April, 2001 (10.04.01), Par. No. [0045] (Family: none)	, Ltd.),	1,20 2,3,4-6,9, 10-12,15, 16-19			
X Y	WO 98/56531 A (EMITEC GESELL TECHNOLOGIE MBH), 17 December, 1998 (17.12.98), Full text & JP 2002-504859 A		7,8,13,14 9,15,19			
х	WO 01/93984 A (NGK INSULATOR 13 December, 2001 (13.12.01), Full text & JP 2002-60279 A		21			
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 22 May, 2003 (22.05.03) "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step			he application but cited to lerlying the invention claimed invention cannot be tred to involve an inventive claimed invention cannot be p when the document is no documents, such in skilled in the art family			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile No.		Telephone No.				



INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/01151

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0965735 A (NGK INSULATORS, LTD.), 22 December, 1999 (22.12.99), Column 1 & JP 2000-809 A	2,3,4-6,9, 10-12,15, 16-19
Y	JP 6-193429 A (Nippondenso Co., Ltd.), 12 July, 1994 (12.07.94), Par. No. [0013] (Family: none)	4-6,10-12, 16-18

国際調査報告

国際出願番号 PCT/IP03/01151

国际网 盆 牧台		7 0 1 1 0 1			
A. 発明の属する分野の分類 (国際特許分類 (IPC)) Int. Cl' F01N 3/02					
B. 調査を行った分野 調査を行った最小限資料(国際特許分類(IPC)) Int. Cl' F01N 3/02, B01J 35/04, B01D 46/00					
最小限資料以外の資料で調査を行った分野に含まれるもの 日本国実用新案公報 1922-1996年 日本国公開実用新案公報 1971-2003年 日本国実用新案登録公報 1996-2003年 日本国登録実用新案公報 1994-2003年					
国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)					
C. 関連すると認められる文献					
引用文献の カテゴリー* 引用文献名 及び一部の箇所が関連すると	・きけ その関連する箇所の表示	関連する 請求の範囲の番号			
X JP 2001-98936 A (イソ) Y 1.04.10,段落0045 (ファ	イビデン株式会社), 200	1, 20 2, 3, 4-6, 9, 10 -12, 15, 16-19			
X WO 98/56531 A (EMITE TECHNOLOGIE MBH), 1998. 12 & JP 2002-504859	. 17,全文	7, 8, 13, 14 9, 15, 19			
区欄の続きにも文献が列挙されている。	. □ パテントファミリーに関する別	川紙を参照。			
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用するす文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献「P」国際出願日前で、かつ優先権の主張の基礎となる出願「&」同一パテントファミリー文献					
国際調査を完了した日 22.05.03 国際調査報告の発送日 03.06.03					
国際調査機関の名称及びあて先 日本国特許庁(ISA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官(権限のある職員) 亀田 貴志 電話番号 03-3581-1101				



国際調査報告

国際出願番号 PCT/JP03/01151

	ENVINERAL			
C (続き). 関連すると認められる文献				
引用文献の カテゴリー*	the state of the s	関連する 請求の範囲の番号		
X	WO 01/93984 A (NGK INSULATORS, L TD.), 2001. 12. 13, 全文 & JP 2002-60279 A	21		
Y	EP 0965735 A (NGK INSULATORS, LT D.), 1999. 12. 22, 第1欄 & JP 2000-809 A	2, 3, 4-6, 9, 10 -12, 15, 16-19		
Y	JP 6-193429 A (日本電装株式会社), 1994.07.12, 段落0013 (ファミリーなし)	4-6, 10-12, 16 -18		